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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/787,270	02/26/2004	John Dobbs	56230-594 (ANA-246)	5149
Toby H. Kusme	7590 05/28/200 e r	EXAMINER		
McDermott, Wi		NGUYEN, TUYEN T		
28 State Street Boston, MA 02109			ART UNIT	PAPER NUMBER
			2832	
			MAIL DATE	DELIVERY MODE
			05/28/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/787,270	DOBBS, JOHN			
Office Action Summary	Examiner	Art Unit			
	TUYEN T. NGUYEN	2832			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 10 Fe This action is FINAL. 2b) ☐ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-58 is/are pending in the application. 4a) Of the above claim(s) 1-31 is/are withdrawr 5) Claim(s) is/are allowed. 6) Claim(s) 32-58 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or are subject to restriction and/or are subject to by the Examine 10) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the or specification are specifically including the correction.	n from consideration. r election requirement. r. epted or b) objected to by the Edrawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 8/16/04, 5/3/07.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite			

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of group II, embodiment 2, figures 6A-6C, claims 32-58 in the reply filed on 2/10/2009 is acknowledged. The traversal is on the ground(s) that it is not understood how claims 32-58 are patentably distinct from claims 1-31. This is not found persuasive because claims 1-31 require search and/or consideration in other area or class/subclass. Claims 32-58 will be examined herewith.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 32-58 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 32, applicant should clarify the structure/arrangement and configuration of the conductive shielding relative to the primary and secondary magnetic cores.

Regarding claim 33, applicant should clarify the configuration of the conductive shielding so as to create a substantially continuous conductive path around the axis of rotation.

Regarding claim 37, there is no antecedent basis for "the conductive shell."

Regarding claims 40 and 55, applicant should clarify the electrical contact between the conductive shell.

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Regarding claim 44, applicant should clarify the structure/arrangement of the conductive shielding relative to the first and second transformer portions.

Regarding claim 49, applicant should clarify the configuration of the conductive shielding so as to create a substantially continuous conductive path.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 32 and 44, as best understood in view of the rejection under 35 USC 112 second paragraph, are rejected under 35 U.S.C. 102(b) as being anticipated by Nishino et al. [JP 01-123406].

Nishino et al. discloses a power coupling device comprising:

- a primary transformer portion including a primary magnetic core [7a, 7b] and a primary coil [8a, 8b];
- a secondary transformer portion including a secondary magnetic core [9a, 9b] and a secondary coil [10a, 10b];
- an air gap [figures 1-2] disposed between the primary and secondary transformer portion; and
- at least one conductive shielding [11, 12, note that the diamagnetic material 11, 12 could be copper or superconducting material.]

Claim Rejections - 35 USC § 103

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 32-58, as best understood in view of the rejection under 35 USC 112 second paragraph, are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Nishino et al.

Nishino et al. discloses the conductive shielding [11, 12] in the form of conductive shell.

Regarding claims 35-39 and 50-54, the specific of the conductive shell would have been an obvious design consideration based on the intended applications/environments uses.

Regarding claims 41 and 51, the specific thickness of the shell relative to the air gap would have been an obvious design consideration for the purpose of controlling the magnetic flux.

Regarding claims 42-43 and 57-58, the intended use of the power coupling is obvious since a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim.

Regarding claims 40 and 55, Nishino et al. inherently discloses the conductive shells are electrically contact with one another.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUYEN T. NGUYEN whose telephone number is (571)272-1996. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ELVIN ENAD can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TUYEN T NGUYEN/ Primary Examiner, Art Unit 2832